

Discus™ DRG A226M



Combining an ADSL2+ WAN interface with a wide choice of LAN interfaces (Wi-Fi, FXS, FXO, USB, and ETH) the Discus™ DRG A226M offers an integrated feature-rich platform for the distribution of your triple/quad-play services.

- **ADSL 2/2+**
- **Annex A,B**
- **Ethernet**
- **USB 2.0 host**
- **VoIP SIP/MGCP**
- **MIMO Wireless 802.11b/g**
- **Wireless 802.11n***

The Discus™ DRG A226M is an advanced Residential Gateway that provides the most comprehensive set of interfaces and features to address the needs of bundled, triple-play and converged services.

Thanks to its advanced networking and QoS capabilities, the Discus™ DRG A226M supports a wide range of applications such as wired/wireless data, VoIP, dual-mode/fixed-mobile convergence, IPTV, shared storage, and printing through a USB port.

DRG A226M features a high performance MIMO WiFi interface that doubles the standard 802.11 g capacity, while remaining compatible and interoperable with standard devices. The DRG A226N product version is also available embedding 802.11n compliant interface.

While based on the prevalent industry standards applicable for networking, voice protocols, and hardware interfaces, Discus™ DRG A226M software can be customized by Pirelli to suit your specific functional and service requirements.

Discus™ DRG A226M fully complies with the DSL Forum TR-069 protocol which permits remote management. The DRG Gateways family can seamlessly integrate within Pirelli's technology bundle for quadruple play services, which comprises:

- Pirelli's H.264 HDTV Set Top Boxes
- Pirelli's DEX W/P Extenders for video home networking
- Pirelli's SIP GSM / WLAN Dual Mode Phones
- Pirelli's Remote Management Platform (PMP), which includes ACS capabilities for TR-069 devices.

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- VoIP SIP/MGCP
- MIMO Wireless 802.11b/g
- Wireless 802.11n*



TECHNICAL SPECIFICATIONS

WAN interface	1 ADSL Line port (RJ-11plug) supporting the following standards: • ADSL (G.992.1, G992.2, T1.413, G994.1, G.997.1) • ADSL2 (G.992.3) • ADSL2+ (G992.5) Annex A/Annex B are available in different product versions
LAN Interfaces	N° 4 10/100BASE-T Ethernet ports (RJ-45 plug), compliant IEEE 802.3, with auto MDIX and auto-negotiation. Ports can be configured in order to be dedicated to video traffic to/from a STB N° 1 USB Host v.2.0 N° 1 USB Device v1.1
Wireless LAN Interface	IEEE 802.11 b/g IEEE 802.11n in model A226N Security: WPA/WPA2 (IEEE 802.11i) Multiple SSID QoS: WMM (IEEE 802.11e) N°2 external antennas (optionally internal)
ATM features	ATM (AAL5) payload format UBR, VBR-nrt, VBR-rt, CBR traffic classes Up to 8 PVC Pre-emptive SAR Multiple physical queues (up to 8) per traffic class, with priority-based scheduling support
VoIP Interfaces	Signaling protocol: SIP, MGCP Echo cancellation: G.165/168 Voice compression: G.711 (a/μ law), G.723, G.726, G.729a with configurable packet length DTMF detection and generation Silence suppression and comfort noise generation Adaptive jitter buffer FAXoIP: G.711 pass-through and T.38 Ports: • N°2 FXS Phone port (RJ11 Plug) • N°1 FXO Phone port (RJ11 Plug)
WAN Protocol Encapsulation	Power, Ethernet link/activity, Wireless activity, USB link/activity, Phones, ADSL line Activity, Internet Activity Bridged/Routed Ethernet over ATM (RFC 2684 / RFC 1483) PPP over Ethernet (RFC 2516) PPP over ATM (RFC 2364) IP over ATM (RFC 1577) MTU settable
Routing / Bridging	RIP v1/v2 and static Routing NAT/NAPT (with ALGs) IP QoS DHCP Server/Client VPN pass-through IPv4 DNS relay NTP IGMPv2 proxy
QoS	Traffic shaping (ATM layer) Priority-based scheduling (up to 8* queues,max 4 per PVC) DSCP/TOS remarking
Security	Programmable firewall
VLAN	Supports multiple VLAN ID per ports Configurable layer-two switching
Remote management	DSL Forum TR-069 TFTP client for remote firmware upgrade Diagnostics and LOGs Telnet with CLI WEB server with Admin/User configuration Pages

Buttons

- 1 x Reset Button.
- 1 x Power Button

LEDs

Power, Ethernet link/activity, Wireless activity, USB link/activity, Phones, ADSL line Activity, Internet Activity

Power Adapter

INPUT: 100-240Vac 50/60 Hz 0.51 A
OUTPUT: 15 Vdc 1.2 A

Environmental Specifications

- Temperature:
- Operating: 0 to 40 ° C
 - Non Operating: -20 to 65 ° C
- Relative Humidity:
- Operating: 10% to 85% non condensing
 - Non Operating:5% to 95% non condensing

Agency Approvals and Certifications

CE mark, ITU-T K21, WEEE, RoHS, Wi-Fi certification (by Wi-Fi alliance)

Physical Specifications:

Dimensions: 250 x 220 x 95 mm
Weight: 1.25 kg

Standard Package Content

- DRG A226M
- Power adapter
- Ethernet cable
- USB cable
- Phone cable
- Quick guide
- CD

* Option - Check availability with Pirelli sales representatives